

EXHIBIT 7

Issue Number:	A-83ZA-81205	PDF Date Submitted	 DEF
<input checked="" type="checkbox"/> Part - Location: SWITCH ASM-IGN & START -IGNITION SWITCH			
<input checked="" type="checkbox"/> Complaint: ELECTRICAL CONCERN			
Issue Type:	Pre - Phy Test	Vehicle/Product Line:	ZAcar
Severity:	2	Primary Metric/Score:	/

Vehicle / Product Description			
Primary Project No:	83ZA	Model Year:	2003
Other Project No(s):		Model Year Qtr:	
Vehicle/Prop. #:	73Z2403	Model Code:	SEDAN
Marketing Division:	Saturn	Hardware Stage:	Alpha 2
Marketing Region(s):		(VIN) Vehicle ID #:	
Engine(s):	L61	Transmission(s):	M86
Engine Serial #:		Transmission Serial #:	
Drive Type(s):		Option(s):	
Steering:	N/A	PIMREP No:	A-83ZA-81205

Odometer Reading or Range in from to

Part / Supplier Information			
1st Level (VPPS):	2nd Level (VPPS):	3rd Level (VPPS):	4th Level (VPPS):
7 Information & Controls	2 Customer Switches		
UPC:	FNA:	Part Name:	Part Number:
6Y 4	1050A	SWITCH ASM-IGN & START	12450250
Supplier(s) Name:	DUNS Code(s):	Part Year:	Drawing Revision Date:
		2003	
Suspect Part(s) available?	Location of Suspect Part(s)	PIM (EPS/PAD)	EPN
<input type="radio"/> Yes <input checked="" type="radio"/> No			

Incident Description			
Date first reported:	07/31/2001	Complaint Category:	ELECTRICAL CONCERN
Incident Discovered by:	SEWELL, JIM	Discoverer's Dept:	GMNA
Discoverer's Phone:	[REDACTED]	Plants w/ same Problem:	

Source Level 1:	Source Level 2:	Source Level 3:
Test - Performance Integration	Electrical	C

Incident Description: (Give detailed description of incident)		
ISSUE DESCRIPTION - Codes B2648 (Ambient Light Sensor Circuit High) and B2657 (Security System		

Sensor Data Circuit Low) were setting in the IBCM. The Passlock Data circuit (#1390 Cav #5 at IGN Switch) was checked using DPIDS and a DVOM. When using class 2 data (DPID \$09) was reading \$FF (12V) when the key-in circuit was activated and \$00 (0V) when the IGN switch was turned to any position except for OFF. When measured with the DVOM the signal exhibited the same results.

TRIM LEVEL - none
PILOT CATEGORY - Reserve

PIMREP History Information Begin
Comment
PIMREP History date - 08/22/2001 3:57:10 PM
PIMREP History Action - The issue has been approved. The Responsible Staff Engineer is now:
SKELTON, BILL
PIMREP History Responsible - KEITH PATERSON
PIMREP History Information End

PIMREP History Information Begin
Root Cause
PIMREP History date - 09/13/2001 3:52:48 PM
PIMREP History Action - The switch as received by Rod Davies measured 0.2 Ohms in RUN and 373.5 Ohms in CRANK position across pins 5 & 6. Switch forwarded to Delphi-Mechatronics for analysis.
PIMREP History Responsible - Rod Davies
PIMREP History Information End

PIMREP History Information Begin
Root Cause
PIMREP History date - 11/14/2001 3:07:13 PM
PIMREP History Action - Tear down evaluation on the switch revealed two causes of failure. Low contact force and low detent plunger force.
PIMREP History Responsible - Ray DeGiorgio
PIMREP History Information End

PIMREP History Information Begin
Solution
PIMREP History date - 11/14/2001 3:09:29 PM
PIMREP History Action - Both issues were addressed with Beta level parts per EWO MB612.
PIMREP History Responsible - Ray DeGiorgio
PIMREP History Information End

PIMREP History Information Begin
Implementation
PIMREP History date - 11/14/2001 3:11:19 PM
PIMREP History Action - Representative parts have been implemented on Beta Coupes.
PIMREP History Responsible - Ray DeGiorgio
PIMREP History Information End

PIMREP History Information Begin
Feedback
PIMREP History date - 11/14/2001 3:12:18 PM
PIMREP History Action - Beta Coupes have been evaluated and the problem does not exist anymore.
PIMREP History Responsible - Ray DeGiorgio
PIMREP History Information End

PIMREP History Information Begin
Comment
PIMREP History date - 11/14/2001 3:13:29 PM
PIMREP History Action - Issue Closed

PIMREP History Responsible - SKELTON, BILL
PIMREP History Information End

Preliminary Root Cause: (Give preliminary Root Cause if known, do not speculate!)

PRELIMINARY / ASSUMED ROOT CAUSE - IGN switch Passlock Data circuit open when IGN turned to any position other than OFF.

PROPOSAL / TEMPORARY SOLUTION - IGN switch replaced to repair vehicle, codes did not continue to set. DRE informed and switch is to be returned to him.

Potential Root Cause Champion: (Select potential Root Cause Champion.)

Select: Potential Champion

Department :

or:

Name :

Evaluation Information (Test)

Procedure: (Test Schedule)	% Complete (Test Schedule):	Driving Conditions:	Environmental Conditions:
	0		
Odometer:	Vehicle Test:	Part Durability:	Part Test:
0	0	0	0

Enter Containment Information Here

Containment

Plant Information

Description of Plant Containment:

Plant: VIN: Breakpoint Date: Contact Person: Tel. No:

Field Information

Description of Field Containment:

Breakpoint Date: Contact Person: Tel. No:

Involved Components

Component: Plant:

Originator Information

Document Originator: JAMES D SEWELL/US/GM/GMC 08/22/2001 03:55:27 PM

Location: Milford Proving Ground Building 104 Phone: [REDACTED]

Dept.: Development, Validation *** Electrical Development & Powertrain Interface MPG

Document Information

History

Issue Number: **A-83ZA-81205**



Part - Location: **SWITCH ASM-IGN & START -IGNITION SWITCH**

Complaint: **ELECTRICAL CONCERN**

Vehicle Line:	Prioritization Ranking by:	Priority Val.:	Bypass:	Link:
ZAcar	no priority			

Other Vehicle/Product Line(s) involved:

Assessment of impact on warranty											
Sales Region:		Currency: \$US									
Labor Codes:											
Primary:											
2nd Labor Code:											
3rd Labor Code:											
4th Labor Code:											
5th Labor Code:											
Measure	Marketing Division / Vehicle Line	0	2	6	12	24					
IPTV		0	0	0	0	0					
IPTV		0	0	0	0	0					
IPTV		0	0	0	0	0					
IPTV		0	0	0	0	0					
IPTV		0	0	0	0	0					
IPTV		0	0	0	0	0					
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IPTV		0	0	0	0	0					
IPTV		0	0	0	0	0					
Cost / Vehicle		0	0	0	0	0					
Cost / Vehicle		0	0	0	0	0					
Cost / Vehicle		0	0	0	0	0					
Cost / Vehicle		0	0	0	0	0					
Cost / Vehicle		0	0	0	0	0					
Cost / Vehicle		0	0	0	0	0					
Cost / Vehicle		0	0	0	0	0					
Cost / Vehicle		0	0	0	0	0					
Cost / Vehicle		0	0	0	0	0					
Cost / Vehicle		0	0	0	0	0					
Cost / Vehicle		0	0	0	0	0					

Cost / Vehicle	0	0	0	0	0	0
Cost / Vehicle	0	0	0	0	0	0
Cost / Vehicle	0	0	0	0	0	0
Cost / Vehicle	0	0	0	0	0	0
Cost / Vehicle	0	0	0	0	0	0

Assessment of internal measurements

Plant	% Direct Run Improvement (< 100)	GCA Value	GM Rating	Ergonomics	Productivity
Report Date:					
Owner of Information:					

Enter Aftersales Impact Information Here

Assessment of Aftersales Impact

FPR No.:

Metric:	No of Cases:	Comments:
TAC:		
CAC:		
Buybacks:		
FPR:		

Enter Cost Reduction Information Here

Cost Reduction

Report Date:

Cost Reduction Comments:

Enter Risk Assessment Number / FEMA Information Here

Document Information		
Document created by:	Keith A. Paterson/US/GM/GMC	08/22/2001 03:55:27 PM
Last Modified by		
Issue Number:	A-83ZA-81205	
Part - Location:	SWITCH ASM-IGN & START -IGNITION SWITCH	 RC
ELECTRICAL CONCERN		
Assign Root Cause Champion		

Department: Champion:
Infotainment, Controls, Displays *** Skelton, Bill - [REDACTED]
Controls

Nomination Comments:

Champion History:

Champion Designee History:

Assignment Date: _____ Department : _____ External Designee:
Name : _____

External Designee History:

Root Cause Analysis

Target Date:	Actual Date:	Actual date reported by champion:
08/29/2001	11/14/2001	
	Late	

Description of Root Cause Investigation Progress and Verification:

START OF ACTION - STATUS ACTION - The switch as received by Rod Davies measured 0.2 Ohms in RUN and 373.5 Ohms in CRANK position across pins 5 & 6. Switch forwarded to Delphi-Mechatronics for analysis.

START OF ACTION - RESPONSIBLE - Rod Davies

Problem Solving Methodology:

Document the Solving Process seen as appropriate

Potential Solution Champion / Department:

Department: Potential Champion:
or
Name:

Problem mainly caused by:

Field Remedy Requested?

No

Root Cause Summary:

Tear down evaluation on the switch revealed two causes of failure. Low contact force and low detent plunger force.:::Ray DeGiorgio

Document Information

Document created by: Keith A. Paterson/US/GM/GMC 09/13/2001

Last Modified by:

Issue Number: **A-83ZA-81205**

Part - Location: **SWITCH ASM-IGN & START -IGNITION SWITCH**



Complaint: **ELECTRICAL CONCERN**

Assign Solution Champion

Department: Champion:
Infotainment, Controls, Displays *** Skelton, Bill - [REDACTED]
Controls

Nomination Comments:

Champion History:

Champion Designee History:

Assignment Date:	Department:	Champion Designee:
	Name:	

External Designee History:

Develop Solution / Make Decision on Solution

Target Date:	Actual Date:	Actual date reported by champion:
11/14/2001	11/14/2001	Late
<input checked="" type="checkbox"/> Description of Solution Investigation Progress and Verification:		

Aftersales Field Fix:	N/A
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EWO Mandatory: Yes No

EWO

EWO #:	Approval / Release Date (i.e. CAB, etc):	Validation Part Availability Date:	TID (Target Implementation Date) of EWO:
MB612			
EWO Comment:			

EWO Part Actions

New Part Number Required?	New Part Number		
<input type="radio"/> Yes <input checked="" type="radio"/> No			
Stock Disposition Domestic	Stock Disposition Export	Service Disposition (Retailer)	Service Interchange
Exchange Aftersales Warehouse Parts according to Engineering/VLDM decision?			
Department: or Name:	Potential Champion:		

Summary

Solution Type
2. Design change without new requirement/specification
Solution Summary:
Both issues were addressed with Beta level parts per EWO MB612::Ray DeGiorgio

Document Information

Document created by: Bill Skelton/US/GM/GMC 11/14/2001
Last Modified by:

Issue Number:	A-83ZA-81205	 IMP
<input checked="" type="checkbox"/> Part -	SWITCH ASM-IGN & START -IGNITION SWITCH	
Location:		
<input checked="" type="checkbox"/> Complaint:	ELECTRICAL CONCERN	

Assign Implementation Champion

Department:	Champion:
Infotainment, Controls, Displays ***	Skelton, Bill - [REDACTED]
Controls	

Implement Solution

Target Date:	Actual Date:	Actual date reported by champion:
11/14/2001	11/14/2001	Late
Description of Implementation:		

Breakpoint(s)

Plant:	Date:	VIN / Val Vehicle #:
Breakpoint(s) Involved Components		
Plant*Component / Supplier*Part:	Serial - No:	Date Breakpoint:
Component/Part:	Plant / Supplier:	Serial - No:
		Breakpoint:
Department : or Name :	Potential Champion:	
Service Bulletin		
Service Bulletin Requested:	Service Bulletin #:	Bulletin Release Date:
		Applicable Region/Country:
Service Bulletin Name/Desc.:		
Summary		
<input checked="" type="checkbox"/> Implementation Summary: Representative parts have been implemented on Beta Coupes.:Ray DeGiorgio		
Document Information		
Document created by:	Bill Skelton/US/GM/GMC	11/14/2001
Last Modified by:		
Issue Number:	A-83ZA-81205	
<input checked="" type="checkbox"/> Part -	SWITCH ASM-IGN & START -IGNITION SWITCH	
Location:		
<input checked="" type="checkbox"/> Complaint:	ELECTRICAL CONCERN	
Assign Feedback Champion		
Department:	Champion:	
Infotainment, Controls, Displays ***	Skelton, Bill -	
Controls		
Feedback		
Target Date:	Actual Date:	Actual date reported by champion:
11/14/2001	11/14/2001	
<input type="checkbox"/> Late		
Did the Solution fix the problem?		
<input type="radio"/> Yes <input type="radio"/> No		
Copy of the data analysis to support the above conclusion:		
Feedback Summary:		
Beta Coupes have been evaluated and the problem does not exist anymore.:Ray DeGiorgio		
Document Information		
Document created by:	Bill Skelton/US/GM/GMC	11/14/2001
Last Modified by:		
Issue Number:	A-83ZA-81205	
<input checked="" type="checkbox"/> Part -	SWITCH ASM-IGN & START -IGNITION SWITCH	
Location:		
Complaint:	ELECTRICAL CONCERN	

Assign Field Remedy Champion

Department:	Champion:
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Field Remedy

Field Remedy Comment:

Last Break Point

Date	VIN / Part Number	Measure

Document Information

Document created by:

Last Modified by

Issue Number:	A-83ZA-81205	 LL
☒ Part -	SWITCH ASM-IGN & START -IGNITION SWITCH	
Location:		
☒ Complaint:	ELECTRICAL CONCERN	
Solution for new Design / Project		
Shall a Lessons Learned Request be sent? <input type="radio"/> Yes <input checked="" type="radio"/> No		
Step when issue was flagged as Lessons Learned:		
Flagged by:		
Standard Work Element:		
Lesson Learned Number:		
Has the issue been entered in the Lessons Learned database? <input type="radio"/> Yes <input checked="" type="radio"/> No		

Document Information
Document created by:
Last Modified by